

PowerCenter Data Integration 10: Developer, Specialist Certification

About the ICS Data Integration PowerCenter Developer Exam and the Skill Set Inventory

This exam measures your competency in building PowerCenter objects on basic and advanced levels in order to make optimal use of the Designer, Workflow Manager and Workflow Monitor tools. Additionally you will be tested on your ability to use transformations, build and run workflows, and further test your abilities to work as part of a data integration development team.

The skill set inventory is used to guide your preparation before taking the exam. It is an outline of the technical topics and subject areas that are covered in each exam. The skill set inventory includes test domain weighting, test objectives and topical content. The topics and concepts are included to clarify the test objectives.

Test takers will be tested on:

- Basic Mapping Design
- Optimal Mapping Design
- Parameters and Variables
- Transformation expression syntax
- Troubleshooting
- Workflows and Worklets
- Architecture and Administration

Training Prerequisites

The skills and knowledge areas measured by this exam are focused on product core functionality inside the realm of a standard project implementation. Training materials, supporting documentation and practical experience may become sources of question development.

The suggested training prerequisites for this certification level are the completion of the following Informatica course(s):

- PowerCenter 10: Developer, Level 1 ([IVA](#), [ILT](#) or [onDemand](#))
- PowerCenter 10: Developer, Level 2 ([IVA](#), or [ILT](#))

Exam Test Domains

The test domains and the extent to which they are represented as an estimated percentage of the exam follows:

Title	% of Test
Basic Mapping Design	45%
Optimal Mapping Design	20%
Parameters and Variables	5%
Transformation expression syntax	10%
Troubleshooting	5%
Workflows and Worklets	10%
Architecture and Administration	5%

Question Format

You may select from one or more response offerings to answer a question.

You will score the question correctly if your response accurately completes the statement or answers the question. Incorrect distractors are given as possible correct answers so that those without the required skills and experience may wrongly select that choice.

A passing grade of 70% is needed to achieve recognition as a Certified Informatica PowerCenter Data Integration 9.x: Developer, Specialist.

You are given 90 minutes to complete the exam. Test formats used in this exam are:

- Multiple Choice: Select one option that best answers the question or completes the statement
- Multiple Response: Select all that apply to best answer the question or complete the statement
- True/False: After reading the statement or questions select the best answer

Exam Policy

- You are eligible for one attempt per exam registration.
- If you do not pass on your first attempt
- You must wait 2 weeks after the exam to take the exam again
- You may take the exam up to three times in one year from the date of your first exam attempt
- You must pay the full exam fee each time you take the exam.

Test Topics

The exam will contain 70 questions comprised of topics that span across the sections listed below. In order to ensure that you are prepared for the test, review the subtopics with each section.

Basic Mapping Design

- Use of the PowerCenter Designer Tool
- Use of the PowerCenter Workflow Manager Tool
- User of the PowerCenter Workflow Monitor Tool
- Source Qualifier Transformation
- Expression Transformation
- Aggregator Transformation
- Lookup Transformation
- Filter Transformation
- Joiner Transformation
- Union Transformation
- Update Strategy Transformation
- Maplets
- User Defined Functions
- Active versus Passive transformations

Optimal Mapping Design

- SQL Overrides
- Stored Procedure Transformation
- Unconnected Lookup Transformation
- XML Transformation
- HTTP Transformation
- Transaction Management with Active Transformations
- Java Transformation
- Normalizer Transformation
- SQL Transformation

Parameters and Variables

- Variable Assignment
- Parameter Files

Expression syntax

- Transformation Functions

Troubleshooting

- Practical Experience
- PowerCenter Workflow Monitor
- Log Management

Workflows and Worklets

- Workflows
- Worklets
- Workflow Tasks

Architecture

- Domain and Node Architecture
- Informatica PowerCenter Commands

Sample Test Questions

Which of the following transformations may be unconnected in a valid mapping?

- A. ☒ Lookup, stored procedure, external
 - B. ☐ procedure Lookup, stored procedure, java
 - C. ☐ Java, lookup, transaction control
 - D. ☐ Transaction control, java, lookup
-

The order in which the PowerCenter Integration Service encounters variable functions in the mapping may not be the same for every session run. Why should the SETCOUNTVARIABLE function be used only once in a pipeline?

- A. ☐ This may cause the SETCOUNTVARIABLE to set to the value 0.
 - B. ☒ This may cause inconsistent results when you use the same variable function multiple times in a mapping.
 - C. ☐ This may cause a runtime error in the session.
 - D. ☐ This may cause a runtime error in the workflow
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In the TO_CHAR (date) function, what do the format strings D, DD, and DDD produce?

- A. ☐ Character day of week, character day of month, and character day of year respectively.
 - B. ☐ Day of week, day of month, and Julian date since 4713 B.C. 00:00:00 (midnight) respectively
 - C. ☐ Each produces numerical day of week
 - D. ☒ Numerical day of week, day of month, and day of year respectively
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IA database deadlock is triggered while a session is running. What are the results?

- A. ☐ The session immediately fails.
 - B. ☒ The session fails after the database resilience period has passed.
 - C. ☐ The session fails after sending a notification.
 - D. ☐ A database deadlock does not cause a failure.
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Which PowerCenter component cannot be made Highly Available?

- A. ☐ PowerCenter Repository Service
 - B. ☐ PowerCenter Integration Service
 - C. ☒ PowerCenter Reporting Service
 - D. ☐ Gateway Node
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When You Are Ready To Test:

To schedule your Informatica Certified Professional (ICP) exam, please follow these steps – you will be presented with the list of current ICP exams to choose from.

1. Go to the Informatica Certified Professional exam scheduling web site at <http://www.webassessor.com/informatica>.
2. Login or create your new test taker account (top right corner if you do not already have an account).
 - a. To receive credit for your exam, remember to create your account using your corporate email address.
3. Register your exam location, the time and date for your exam of choice.
4. Select from the two testing location options (testing center or online), the time that you want and proceed to checkout:
 - a. You can either take your exam in person at an authorized testing center (Onsite proctored).
 - b. Or you can take your exam online from your home or office (Online Proctored). To take your exam online, you need an EXTERNAL webcam. A webcam that is built into your laptop/PC is NOT acceptable when passing your exam online. Please review the instructions on your test taker welcome page after you have logged in.
5. Proceed to checkout and finalize your exam appointment scheduling (if you have been provided with an exam voucher or coupon, enter it during this step and proceed to checkout).
6. Within the next couple of minutes you will receive an email confirming your exam registration details (check your email program's junk/spam folder, if you do not receive the email). You can also verify your exam appointment details at any time via the [exam scheduling site](#).

Once you have scheduled your exam appointment, you can reschedule it via the [exam scheduling site](#) free of charge as per the Informatica Certified Professional program's guidelines: <http://www.informatica.com/us/services-and-training/certification/certification-faq/>.